SUPPORTING TECHNOLOGIES

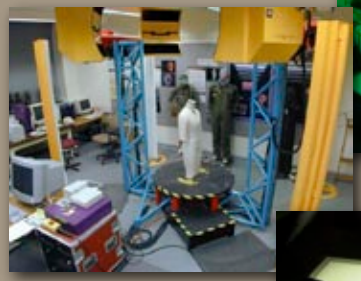
- Nanotechnology
- Polymer Science
- Biotechnology
- Consumer Research
- Anthropometry
- Biomechanics/Human Sciences
- Modeling and Analysis

FUTURE TECHNOLOGIES

- Multifunctional Materials
- Smart/Responsive Materials
- Photovoltaic Powered Material
- Agile Laser Eye Protection
- Systems Integration

UNIQUE CAPABILITIES AND FACILITIES

- Laser Lab
- Biomechanics
- Whole Body Digitizer
- Nanotechnology
- Genetic Engineering
- Modeling & Analysis
- Sensory Testing



SUPPORTING SCIENCE & TECHNOLOGY DIRECTORATE

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ACHIEVING UNPARALLELED WARRIOR DOMINANCE THROUGH THE POWER OF SCIENCE AND TECHNOLOGY

REV 04-20-06 OPSEC 06-132

US ARMY NATICK SOLDIER CENTER

SS&TD: Achieving Unparalleled Warrior Dominance Through the Power of Science and Technology

MISSION

Conduct basic and applied research in the anthropological, behavioral, biological, environmental, operations research, mathematical and physical sciences required for military solutions. Identify opportunities supporting all Command products and systems dedicated to improving the survivability, sustainability, mobility, and support of soldiers on the battlefield.

NANOMATERIALS SCIENCE TEAM

Focus on new nanocomposite materials for enhanced capabilities (protective, smart textiles, and improved food packaging) through innovative modeling, synthesis, processing, and analysis techniques

ERGONOMICS TEAM

Focus on physical and physiological aspects of performance (biomechanics, MANPRINT and anthropometry)

PRODUCT OPTIMIZATION & EVALUATION TEAM

Focus on consumer behavior, preferences and psychological aspects related to food, clothing and cognitive performance

MODELING & ANALYSIS TEAM

Focus on effectiveness: How much does a performance enhancement improve the ability to win?

MACROMOLECULAR SCIENCE TEAM

Focus on novel synthetic and biological molecules and related hybrid materials to enhance Soldier survivability, mobility, and sustainability